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(54) Title: INTRA CODING VIDEO DATA METHODS AND APPARATUSES

q	t_0	t_1	t_2	t_3	t_4	t_5	t_6	t_7	t_8	t_9	t_{10}	t_{11}	t_{12}	t_{13}	t_{14}	t_{15}
l_0	p_{00}	p_{01}	p_{02}	p_{03}	p_{04}	p_{05}	p_{06}	p_{07}								
l_1	p_{10}	p_{11}	p_{12}	p_{13}	p_{14}	p_{15}	p_{16}	p_{17}								
l_2	p_{20}	p_{21}	p_{22}	p_{23}	p_{24}	p_{25}	p_{26}	p_{27}								
l_3	p_{30}	p_{31}	p_{32}	p_{33}	p_{34}	p_{35}	p_{36}	p_{37}								
l_4	p_{40}	p_{41}	p_{42}	p_{43}	p_{44}	p_{45}	p_{46}	p_{47}								
l_5	p_{50}	p_{51}	p_{52}	p_{53}	p_{54}	p_{55}	p_{56}	p_{57}								
l_6	p_{60}	p_{61}	p_{62}	p_{63}	p_{64}	p_{65}	p_{66}	p_{67}								
l_7	p_{70}	p_{71}	p_{72}	p_{73}	p_{74}	p_{75}	p_{76}	p_{77}								

a

(57) Abstract: Streamlined prediction approaches are provided to predict pixel values of a 4x4 subblock of a macroblock of video data being encoded, under a number of prediction modes. Additionally, prediction approaches are provided to predict pixel values of a non-4x4 MxN subblock of a macroblock of video data being encoded, under a number of prediction modes, including 8x8, 8x4 and 4x8 subblocks. The invention may be practiced in an encoder and/or a decoder of a video apparatus.

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